

**Size:** 2,400 acres

**Mission:** Operate and maintain communications facilities and equipment for Naval shore installations and fleet units in the eastern Pacific

**HRS Score:** 50.00; placed on NPL in May 1994

**IAG Status:** Draft Federal Facility Agreement

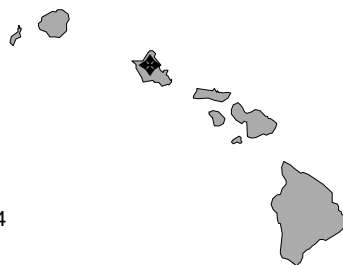
**Contaminants:** PCBs, metals, and petroleum hydrocarbons

**Media Affected:** Soil

**Funding to Date:** \$6.2 million

**Estimated Cost to Completion (Completion Year):** \$45.7 million (FY2031)

**Final Remedy in Place or Response Complete Date for All Sites:** FY2014



**Wahiawa, Hawaii**

## Restoration Background

This installation operates six facilities on the island of Oahu but conducts industrial operations primarily at the main station and receiver site in Wahiawa and the Naval Radio Transmitting Facility in Lualualei. The restoration program has focused on those two facilities, where maintenance and operation of electrical transformers and switches have been the primary sources of contamination. The installation was placed on the National Priorities List (NPL) because polychlorinated biphenyl (PCB)-contaminated soil was detected in work and residential areas. Contamination with metals and petroleum hydrocarbons also resulted from the station's operation and maintenance activities.

Environmental investigations began at the installation in FY86. A total of 24 CERCLA sites and 5 underground storage tank (UST) sites have been identified to date. Site Inspections have been conducted for Sites 1, 5, 11, and 14 through 19. Expanded Site Inspections (ESIs) were conducted for Sites 1, 5, and 11.

In FY92, the installation conducted a Removal Action at Site 14 to remove PCB-contaminated soil in the vicinity of eight transformers. The results of a risk assessment prepared after the Removal Action indicated that no further action was required. The ESI identified elevated levels of lead and mercury at the Old Wahiawa Landfill and the Building 6 Disposal Area.

In FY95, the installation completed planning documents for the Remedial Investigation and Feasibility Study (RI/FS) at Sites 1, 5, 6, 10, 12, 13, 17, 18, and 20. RI/FS activities included screening risk assessments to determine whether further action was required. This approach was intended to accelerate the cleanup process at the installation.

In FY95, the Navy completed a draft Federal Facility Agreement (FFA) with EPA. The Navy acknowledged a receipt of the draft FFA and its willingness to begin negotiations on the agreement. Since then, however, the Navy has given the FFA low priority because the cleanup program has been progressing at the installation.

In FY96, the Navy conducted RI/FS activities at Sites 1 and 5 and determined that no further action was required at UST Site 6. In the same year, initial site characterization was conducted at UST Site 8.

During FY97, the installation continued RI/FS activities at Sites 1 and 5 and began RI/FS activities at Sites 2 and 22. A draft Engineering Evaluation and Cost Analysis (EE/CA) was prepared for a Removal Action at transformer locations at Sites 17, 18, and 20.

Because the installation consists of two primary facilities, two Restoration Advisory Boards (RABs) were established. Both the Wahiawa and the Waianae/Lualualei RABs have approximately 25 members representing the community. Members of the community have been instrumental in discovering sites and have located numerous wells in the vicinity of the installation. The final community relations plan was completed in FY95.

## FY98 Restoration Progress

The installation continued RI/FS activities at Sites 1, 2, 5, and 22. The RI/FS was not completed as scheduled because additional fieldwork was required for Sites 1 and 2. An EE/CA, an Action Memorandum (AM), and planning documents were completed for the Removal Actions at transformer locations at Sites 17, 18, and 20. The installation initiated fieldwork for this Removal Action. Petroleum contamination was identified at UST Site 5.

## Plan of Action

- In FY99, complete RI/FS at Sites 1, 2, 5, and 22 after analytical data for Sites 1 and 2 have been incorporated
- Complete Removal Action fieldwork at Sites 17, 18, and 20 in FY99
- In FY99, initiate Removal Site Evaluation, EE/CA, and AM at a portion of Site 18 not addressed in the current Removal Action
- Initiate a technology demonstration for treating soil from Sites 17, 18, and 20 in FY00
- Initiate a Removal Action to treat soil from Sites 17, 18, and 20 in FY00
- Initiate remediation for soil contamination at UST Site 5 in FY99
- Complete investigation for UST Site 8 in FY99

## FY99 FUNDING BY PHASE AND RELATIVE RISK

